

**7. HEATING, PLUMBING AND INSULATION**

For each item numbered, check one box only.

Item #	Description	DECISION		Repairs Required
		Yes, PASS	No, FAIL	
7.1	<b>ADEQUACY OF HEATING EQUIPMENT</b> a. Is the heating equipment capable of providing adequate heat (either directly or indirectly) to all rooms used for living? b. Is the heating equipment oversized by more than 15%? c. Are pipes and ducts located in unconditioned space insulated?			
7.2	<b>SAFETY OF HEATING EQUIPMENT</b> Is the unit free from unvented fuel burning space heaters, or any other types of unsafe heating conditions?			
7.3	<b>VENTILATION AND ADEQUACY OF COOLING</b> Does this unit have adequate ventilation and cooling by means of operable windows or a working cooling system?			
7.4	<b>HOT WATER HEATER</b> Is hot water heater located, equipped, and installed in a safe manner?			
7.5	<b>WATER SUPPLY</b> Is the unit served by an approvable public or private sanitary water supply?			
7.6	<b>PLUMBING</b> Is plumbing free from major leaks or corrosion that causes serious and persistent levels of rust or contamination of the drinking water?			
7.7	<b>SEWER CONNECTION</b> Is plumbing connected to an approvable public or private disposal system, and is it free from sewer back up?			
7.8	<b>INSULATION</b> Are the attic and walls appropriately insulated for regional conditions?			
7.9	<b>OTHER</b>			
7.10	<b>OTHER</b>			

Notes: (Give Item #)

8.11	<b>LEAD PAINT: OWNER CERTIFICATION</b> If the owner of the unit is required to treat or cover any interior or exterior surfaces, has the certification of compliance been obtained? If the owner was not required to treat surfaces, check "Not Applicable."			
8.12	<b>OTHER</b>			
8.13	<b>OTHER</b>			

Notes: (Give Item #)

## **SECTION 6**

### **Green Building**

# What is Green Building

## Overview of Green Building in Washington, D.C.

With the passage of The Green Building Act of 2006, Washington, D.C. joined states and cities across the country in requiring green building design and construction. The requirements will phase in over several years, beginning with public buildings, followed by publicly financed buildings, and ending with private construction.

## What is Green Building?

Green building or “sustainable” building is an approach to design and construction that maximizes energy and resource efficiency, protects the environment, and promotes healthier places to live and work.

Green building is important not just for its environmental benefits, but also for its economic and health benefits. Green building reduces the everyday energy costs for owners and renters, and provides significantly better indoor air quality for occupants.

Green building considers the entire life cycle of a structure and its component parts, focusing on efficiency in operating costs, as well as initial construction costs.

The specific elements of green building include the following:

- **Integrated Design Process**- sustainable building strategies are considered from the earliest stages of project planning, with a LEED-accredited professional or experienced green building design specialist participating at every stage.
- **Location and Neighborhood Fabric**- locations that conserve resources, take advantage of existing infrastructure and civic amenities, are close to transportation and contribute to the fabric of healthy, livable communities.
- **Site Improvements**- chosen to conserve natural resources, improve operational efficiencies, enhance health and promote non-automotive means of transit.
- **Water conservation**- utilization of water-efficient appliances and fixtures, low water landscaping and irrigation, and use of rainwater and graywater (water recaptured and recycled from showers, sinks and clothes washers) when possible.
- **Energy efficiency**- a guiding principle in all stages of development, including efficient construction methods, design and insulation of units for efficient heating and cooling, use of Energy Star appliances, and efficient interior and exterior lighting.
- **Materials Beneficial to the Environment**- including reuse and recycling on the construction site to decrease waste, and use of building products and techniques that contribute to more durable, healthy and resource-efficient buildings.
- **Healthy Living Environment**- including the use of safe biodegradable materials such as Low/No VOC paints and primers, adhesives, and sealants; use of materials and construction techniques to reduce mold and ensure adequate ventilation; garage isolation.
- **Operations and Maintenance**- training for employees and residents to explain and assist in the preservation of the property's green character.

## Additional Information

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### Green Building Standards

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**Enterprise Community Partners**  
**Green Communities Criteria**

[www.greencommunitiesonline.org](http://www.greencommunitiesonline.org)

410.715.7433

**U.S. Green Building Council**

Leadership in Energy and Environmental Design (LEED®)

[www.usgbc.org](http://www.usgbc.org)

202.742.3792

**Energy Star** (U.S. Environmental Protection Agency and U.S. Department of Energy)

**Energy Star Target Finder Tool**

[http://www.energystar.gov/index.cfm?c=new\\_bldg\\_design.bus\\_target\\_finder](http://www.energystar.gov/index.cfm?c=new_bldg_design.bus_target_finder)

**Energy Star Portfolio Manager**

[http://www.energystar.gov/index.cfm?c=evaluate\\_performance.bus\\_portfoliomanager](http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager)

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**Practical green building resources**

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**Metropolitan Washington Council of Governments (COG)**

**Builders' Recycling Guide: A Directory for Construction and Demolition Materials in the Metropolitan Washington Region**

<http://www.mwco.org/buildersrecyclingguide/info.htm>

202.962.3200

**Affordable Housing Design Advisor**

<http://www.designadvisor.org/>

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**Building Technology resources**

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**U.S. Department of Energy, Energy Efficiency & Renewable Energy Building Technologies Program**

<http://www.eere.energy.gov/buildings/>

**Sustainable Buildings Industry Council (SBIC)**

[www.sbicouncil.org](http://www.sbicouncil.org)

202.628.7400

**Partnership for Advancing Technology in Housing (PATH)**

<http://www.pathnet.org/>

**Global Green USA**

[www.globalgreen.org](http://www.globalgreen.org)

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**Potential green building financial resources**

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**Enterprise Community Partners****Green Communities**

[www.greencommunitiesonline.org](http://www.greencommunitiesonline.org)

Washington D.C. Office: 202.842.9190

**Home Depot Foundation**

[www.homedepotfoundation.org](http://www.homedepotfoundation.org)

**National Housing Trust**

Green Affordable Housing Preservation Lending Initiative

Pre-development and bridge loans

[www.nhtinc.org](http://www.nhtinc.org)

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